



1

The speaker has no financial or proprietary interest in any of the products that are mentioned
 Co-Owner **Optometric Insights** with Dr. Mile Brujic
 consulting, performing research, speaking

Alcon, Allergan, Avellino, Bausch + Lomb, BioTissue, CooperVision, Dompe, EyeVance, Eye Promise, Euclid, Horizon, Lumenis, Oculaphire, Orasis, Oculus, Medprint, Novartis, Sun Pharma, JnJ TearScience, TEEM, Thea, TruKera Medical, Valley Contax, Visus Therapeutics, and Zeiss.

SPECIALTY DRY EYE AND CONTACT LENS CENTER | SPECIALTY EYE | THE MIND'S EYE CENTER | Kading Consulting | OPTOMETRIC TESTINGS

2

THE MYOPIA PODCAST
 WITH DR. DAVID KADING

HOSTED BY DR. DAVID KADING

DR. MILE BRUJIC | DR. DAVID KADING

3



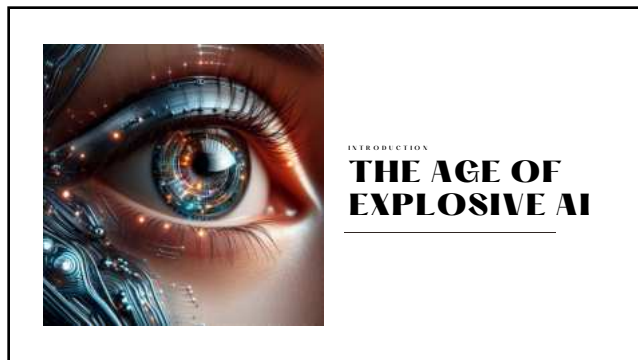
4



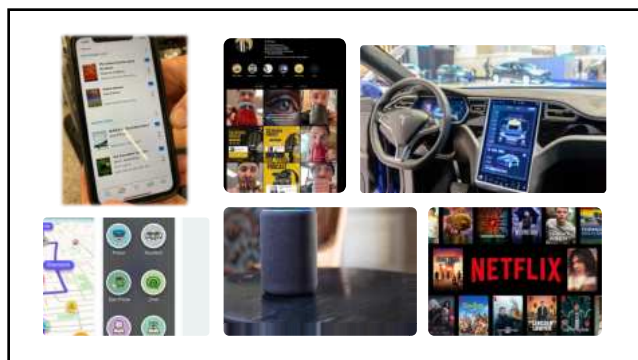
5



6



7



9

AI DEFINITION
simulation of human intelligence in machines programmed to think, learn, and perform tasks autonomously.

3 Examples of AI

Natural Language Processing (NLP): understanding, processing, and generating human language in a meaningful way. NLP aims to enable computers to comprehend and work with text or speech data (autocorrect, predictive text, search engine, email spam filters, chatbots)

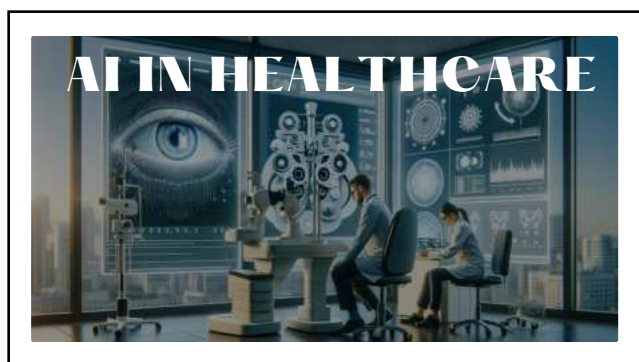
Machine Learning: encompasses a wide range of techniques and algorithms for making predictions, identifying patterns, and learning from data. (Netflix, Amazon Ordering, Siri and Alexa, Social Media, Fraud Detection)

Computer vision is a field of artificial intelligence (AI) that focuses on enabling computers and machines to interpret and understand visual information from the world (Facial Recognition, Traffic Cameras, Social Media Tagging, autonomous vehicles)

10



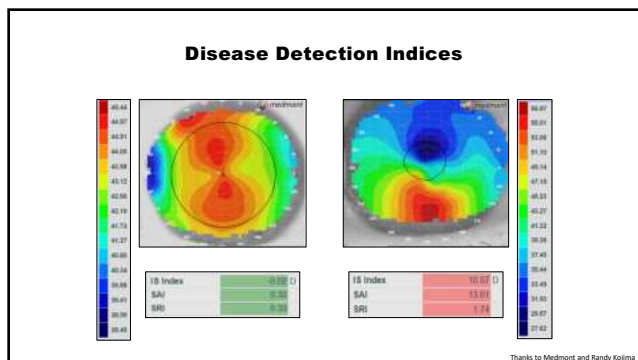
11



12



13



15



16



17



18


COMPONENTS of Smart Lenses

Sensors that can measure various parameters such as glucose levels, intraocular pressure, or even biomarkers indicating certain health conditions.

Microelectronics Miniaturized electronics are embedded within the lenses, enabling data processing and communication with external devices.

Power Source Some smart contact lenses utilize thin, flexible batteries or harvest energy from the wearer's tears to power the embedded electronics.

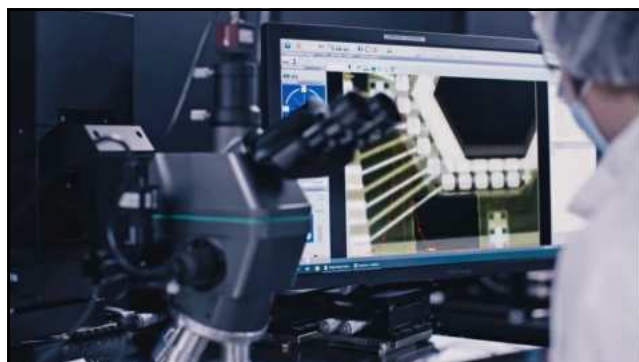
Wireless Connectivity Smart lenses can wirelessly transmit data to external devices, allowing for real-time monitoring and analysis.



19



20



21



BIOSENSING AND HEALTH MONITORING

22



23



24



25



26



27



28



29
